

## ABSTRACT OF THE INVENTION

Method and apparatus for correlating data records acquired in a signal acquisition device includes the steps of extracting an area of interest from the data record displayed on said signal acquisition device, normalizing the area of interest, creating a filter based upon normalized values of the area of interest and passing the data record through said filter to obtain a correlation curve. Normalization of the area of interest includes obtaining a plurality of points defining the area of interest, calculating the mean of the said plurality of points and subtracting said mean from each of the said plurality of points. Creating the filter includes using the normalized values of the area of interest as coefficients for the filter.